

## Obexelimab

## Chemical Properties

CAS No. : 1690307-05-1

Formula:

Molecular Weight: 147.44 kDa

Storage: Store at low temperature  
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Obexelimab (XmAb5871) is a bifunctional monoclonal antibody that binds CD19 and FcγRIIb, inhibits B-cells, plasmoblasts, and plasma cells, and may be used in the study of autoimmune diseases such as systemic lupus erythematosus.
Targets(IC50)	Apoptosis, Immunology/Inflammation related
In vitro	Obexelimab induces the expression of genes associated with the apoptotic pathway and promotes apoptosis in B cells. [1] 10 µg/mL Obexelimab, treated for 3 min, inhibited B cell activation and its function by inhibiting BCR-mediated calcium influx and promoting phosphorylation of FcγRIIb. [2]
In vivo	10 mg/kg Obexelimab, injected intraperitoneally twice weekly, suppressed autoimmune responses in immunodeficient mice implanted with peripheral blood mononuclear cells (PBMC) from rheumatoid arthritis (RA) patients. [2]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0339 mL	0.0678 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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